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DIV. OF OIL, GAS & MINING
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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
Telephone: (801) 538-5291
Fax: (801) 359-3940

ANNUAL REPORT OF MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, as amended, and the General Rules as promulgated under the Utah Minerals Regulatory Program. An operator conducting mining operations under a Notice of Intention must file an annual operations and progress report (FORM MR-AR) with the Division.

I. General Information

1. Report Time Period: From: **1/1/2004** To: **12/31/2004**
2. DOGM File Number (Mine No.): **M/045/004**
3. Mine Name: **Pine Canyon Reclamation Project**
4. Mineral(s) Mined (or permitted to mine): **Copper and associated metals**
5. Type of Mine: Surface Mine or **X** **Underground Mine**
6. Legal Description, (Location of Land Affected):

Section 17, S1/2 SW1/4;
Section 20, N1/2 NW1/4, W1/2 NE1/4, SE1/4 NE1/4, E1/2 SE1/4;
Section 21, SW1/4 SW1/4;
Section 28, W1/2 NW1/4;
Section 29, NE1/4 NE1/4;
Township 3 South, Range 3 West,
Salt Lake Base and Meridian, Tooele County, Utah

7. Name of Operator or Company: **Kennecott Utah Copper Corporation**
8. Permanent Street Address: **8362 West 10200 South**
City, State, Zip: **Bingham Canyon, Utah 84006**
Phone: **(801) 569-7120**
Fax: **(801) 569-7192**

Mailing Address: **P.O. Box 6001**
8315 West 3595 South
City, State, Zip: **Magna, UT 84044**
Phone: **(801) 569-7120**
Fax: **(801) 569-7192**

9. Company Representative (or designated operator):
Name: **Paula Doughty**
Title: **Director Environmental Affairs**
Business Address: **P.O. Box 6001**
City, State, Zip: **Magna, UT 84044**
Phone: **(801) 569-7120**
Fax: **(801) 569-7192**

☐ Please check if any of the above information has changed since previous year

II. Mining and Reclamation

1. Was the mine active during the past year? **NO**
2. If no – what was the last year of activity?

The mine was last active in 1983. KUCC purchased the inactive property from Anaconda Minerals Co. in 1985.

3. If yes – how much ore or mineral was mined?

NA

4. Briefly describe the type of work performed, volume of materials moved, and any new or additional surface disturbances that occurred during the past year.

Water is continuously pumped out of the shaft and is piped through the Pine canyon/Parvenu tunnel to the Bingham Canyon Mine where it is discharged to establish water collection systems. The water is being removed as part of the general pit dewatering program at the Bingham Canyon mine and for use as process water at the Copperton Concentrator. The only other work was general systems maintenance, such as preventive maintenance on pumps.

5. How much additional acreage was disturbed during the year?

No additional acreage was disturbed in 2004.

6. How much acreage was reclaimed during the past year?

No reclamation took place in 2004.

7. Briefly describe the reclamation work performed during the past year (2003). This description should include methods employed, and an evaluation of the results.

No reclamation took place in 2004.

8. What is the total disturbed acreage of the entire project at years end (2003)?

The only disturbed acreage left in Pine Canyon are those sites identified in the 1988 reclamation plan that were left for long term use in the canyon (17.3 acres). These sites include the Pine Canyon tunnel portal and concrete flume, production shaft head frame, access road, the warehouse shop, culinary water system, water supply wells, power line to the wells, fresh water tank and a small waste rock pile adjacent to the head frame, which was left unreclaimed due to the steep grade.

9. Briefly describe any mining and/or reclamation plans for the upcoming year.

Water will continue to be pumped out of the Carr Fork shaft, which is then piped through the Pine Canyon/Parvenu tunnel to the Bingham Canyon Mine where it will be piped to the Copperton Concentrator for process use.

NOTE: Section III., "Additional Information" applies only to large mining operations.

III. Additional Information – R647-4-121.2 and .3

1. The operator shall include an updated map depicting the surface disturbance and reclamation performed during the year, prepare in accordance with Rule R647-4-105.

No new map of the area is attached because there have been no significant changes to the area since a map was submitted in 1998.

2. The operator shall keep and maintain timely records relating to his performance under the Act, and shall make these records available to the Division upon request.

Kennecott Utah Copper Corporation updates and maintains reclamation records and those records can be made available to the Division upon request. Analytical results for 2004 are attached.

IV. Signature Requirement

I hereby certify that the foregoing is true and correct.

Name (Typed or Print):

Paula Doughty

Title of Operator:

Director Environmental Affairs

Signature of Operator:

Paula Doughty

Date:

January 19, 2005

jb

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Table 1. 2004 Carr Fork Service Shaft Analytical Results

Field Parameters and Total Metals

Sample Description	Kennecott Sample ID	Sample Date	Cond. umhos/cm	pH	Temp. °C	Alk. mg/L CaCO ₃	TDS mg/L	Ca mg/L	Cl mg/L	K mg/L	Mg mg/L	Na mg/L	SO ₄ mg/L
Carr Fork Service Shaft	BMS1356	3/17/2004	2010	6.68	19	233	1790	385	17	4	119	16	1100
		6/3/2004	2110	6.7	23	191	2060	403	16	3.6	122	15	1210
		8/12/2004	1840	6.62	15	233	1830	415	16	3.5	113	14	1070
		11/3/2004	2150	6.64	17	238	1990	380	18	3.4	110	14	1200

Dissolved Metals

Sample Description	Kennecott Sample ID	Sample Date	Ag ug/L	As ug/L	Ba ug/L	Cd ug/L	Cr ug/L	Cu ug/L	Fe ug/L	Ni ug/L	Pb ug/L	Se ug/L	Zn ug/L
Carr Fork Service Shaft	BMS1356	3/17/2004	<1	36	20	<1	<10	28	2770	<40	<5	<2	683
		6/3/2004	<1	7	24	10	<10	25	<300	<40	<5	2	3890
		8/12/2004	<1	10	25	2	<10	26	<300	<40	<5	<2	1530
		11/3/2004	<1	19	25	<1	<10	<20	<300	<40	<5	<2	1300

Note

Selenium measured by DRC Method